Code: R7411007

IV B.Tech I Semester (R07) Supplementary Examinations, May 2012
VIRTUAL INSTRUMENTATION
(Electronics & Instrumentation Engineering)

Time: 3 hours   **Max Marks: 80**

Answer any FIVE questions
All questions carry equal marks
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1. (a) Explain the block diagram of virtual instrument in detail.
    (b) Explain about embedded controller.

2. (a) With the help of example explain the creation of sub VI.
    (b) Explain about case and sequence structures.

3. (a) Differentiate between timers and counters.
    (b) With the help of neat block diagram explain the data acquisition system.

4. (a) Explain about current loop.
    (b) Give an account on GPIB.

5. (a) Write notes on VXI.
    (b) Explain about Ethernet control of VXI.

6. (a) Explain about VISA.
    (b) With the help of diagram explain IVI.

7. (a) What are the different toolsets available in VI? Explain any one tool set.
    (b) Explain instrument control with the help of virtual instrumentation.

8. Explain in detail about image acquisition and processing by using VI.

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